DOCKET NO.: PHOE-0136

Application No.: Not yet assigned

Preliminary Amendment - First Action Not Yet Received

This listing of claims will replace all prior versions, and listings, of claims in the application.

PATENT

Listing of Claims:

1-70. (canceled)

71. (new) An arginine deiminase comprising arginine deiminase isolated from *Mycoplasma hominis* that has been modified by elimination of at least one pegylation site at or adjacent to the catalytic region of the polypeptide.

- 72. (new) The arginine deiminase of claim 71 wherein the arginine deiminase has been modified by deletion or substitution of at least one amino acid.
- 73. (new) The arginine deiminase of claim 71 covalently bound to polyethylene glycol.
- 74. (new) The arginine deiminase of claim 73 wherein the arginine deiminase is covalently bound to polyethylene glycol via a linking group.
- 75. (new) A composition comprising the arginine deiminase of any one of claims 71 to 74 and at least one carrier, diluent, or excipient.